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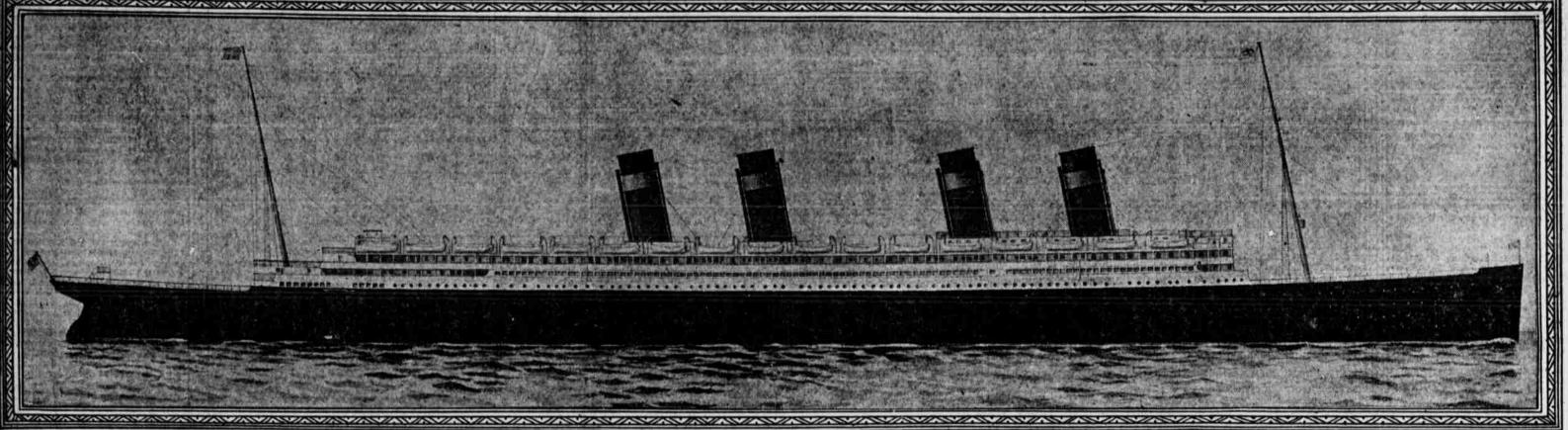


SECTION

NEW YORK, SUNDAY, AUGUST 3, 1919 .- Copyright, 1919, by the Sun Printing and Publishing An

TWELVE PAGES.

What the 1,000 Foot Liner Means to American Shipping



Proposed Ships Excelling Anything Afloat in Size, Speed and Safety Represent Our Bid for Supremacy in Passenger Service

ternational Mercantile Marine Comnterests win not and demands of our ocean travelling

feet of water. As would logically be D. W. Taylor, the present chief conexpected, they will be equipped with structor of our fighting fleet. This is store enough liquid fuel in their tanks dealt with some of the problems conthe United States Shipping Board took to carry them from here to Europe nected with 1,000-foot steamships, and under advisement months back the and back without replenishment. That New Yorkers, then, as now, had espetotal distance of 7,000 miles and, by there. being independent of a European marthe authorities are so far along in ket for oil, they will be able to get ties of the Dock Department and the

Each ocean titan will have turbine According to the programme as out- being sufficient to drive the vessels question once and for all, towing tests

MERICA is to make a brave ef- States Shipping Board to construct rate of thirty nautical miles an hour. capture the "blue rib- the craft out of national funds and, This point has been definitely settled commercial operation. While the In- There, three or four different models

not the first time that the basin has

army engineers could not agree upor the wisdom of extending permanently

liner measuring, from bow to stern, another—the Sirius doing the voyage practical fruits of that scientific aid ern in fifteen days. The Savannah, of and had a beam of twenty-nine feetthus in 100 years we have magnified fold, and in the matter of speed they with the engine and boiler power provided for our transatiantic experiment

The Savannah Compared.

In the New York Mercantile Adver iser of March 27, 1819, was printed the following enthusiastic description of the steamship Savannah's accomnodations for ocean voyagers: "Her cabin is finished in an elegant style, and is fitted up in the most tasty manner. There are thirty-two berths, all test utilizes the propulsive effort transof which are staterooms. The cabin | mitted by the screws. intended for gentlemen, and is admirserious disturbances in the flow of the retirement which is so rarely found contrast the huge new liners, apart from an operating personnel of 1,000 officers and crew—are each to take care of 3,000 passengers. These will creased speed. To be specific, the large 1,000; second class, 800, and steerage, travellers shall have enough to keep but a regular one between her termina tomed pleasures ashore, these great can make more voyages in the cou navigable towns are to have ballrooms, of a year and, accordingly, net her noving picture theatres, grill rooms, owners a correspondingly increa sun parlors, winter gardens, swimming small shops that will supply them with see how much intensive enjoyment crowded into a trip that is designedly spacious accommodations for a larger port to port! Compared with the supsteamship Savannah we see reflected fully alive to the advertising appeal in the 1,000 foot steamships the of the "biggest ships affect." The pullchanged standards of life which a century of national progress has brought

And that these vessels shall be safeision either with other craft, unhrough the damaged outer plating has made as much as 26 will be confined within narrow limits

about our having plenty of men of the

the Atlantic to the other were made in in making this amazlingly long stride forward. Startling as it may seem, on the contrary we are actually moving in Sirius and the Great Western, which the direction of economy-doing the very thing that will bring us greatest returns upon our venture. To more or less of the same average size growth of the steamship has reduced capacity to hali or hamper the ship forging forward under the amplifying urge of engines gaining continually in iner will be able to hold her own under weather conditions that might seriusly impede a ship 600, 700 or feet from bow to stern. It is not erely a matter of length, however, but there is magnified bulk and added ass or dead weight-displacement the naval architect calls it. This for tor makes for sustained motion despite boisterous waves and the blast of oposing winds. In short, this inertia

ncident to mere size. A big craft cheaper to build, ton for ton, than balanced. For instance, there are cer tain fundamental benefits quite aparfrom economy of sea transport craft can run at an average high rate in rough weather, and by this she is ports. As a consequence of this she revenue. Next, because of her steadiols, Turkish baths, gymnasiums and ness in tempestuous seas, she affords that much more comfort to her passengers. Similarly great size gives the naval architect material which he can utilize in furnishing better and more the purely business point of view the ing power of this lure is intensified in the vessels be also the "fastest afloat." There is still another virtue in en

larged displacement. The cost of state of efficiency is comparatively less per unit of measurement than is berg, they are to be extensively pro- the case with craft of more moderate vided with an inner skin, and the in- dimensions but designed to meet the tervening double bottom space, so requirements of the same service. For called, is to be formed into a great the sake of the inquiring, let it be divisions so that any water pouring in feet long, is of 32 500 gross tons, and hour; the Olympic is 882 feet long, these ships will be subdivided into mum speed of 21 knots; the Aquitanis many compartments of moderate size is 901 feet long, is of 47,000 tons gross, by water tight bulkheads, and because of these safety provisions the ships speed of nearly \$4.5 nautical miles and

Project Finds New York Prepared in Present and Potential Dock Facilities-Montauk Point Terminal Question Is Revived

biggest American built transatlantic ample length, and the Newport News of 12,241 gross tons, and capable of Shipbuilding Company is engaged in making from 14 to 15 knots.. These capable of taking care of steamers of and are in no wise fit to be classed In effect, then, we are to-day nearly doubling the length, increasing the speed 100 per cent., and adding 42,759 tons to the capacity of the transatlantic express steamships we called

> Federal authorities have gone the concerned. That is to say, the usable ,000 feet, and, similarly, a breadth of 110 feet is available. This fact is of prime military importance, because these liners are potential naval auxiliful armaments of rapid fire guns in virtually patterning our course after the examples set us abroad; and the recent conflict has emphasized the visdom of this foresight.

Great Britain while a free trade country spent many millions for the protection and the maintenance of her called into being the Lusitania and the sels were built with money loaned by the British Government to the Cunard Company, at a very low rate of intering of the principal were covered by governmental bounties, in one form or another, which placed the steamship company in the unique position of

for which they were not expected to reserved the right to call upon the ompany to surrender-at a handsome rental-those ships at any time during period of national peril.

From upper deck to keel, the giant liners will have a hull depth of 74 feet, and towering above the main body there will be several other decks detion of first-class passengers. Their

Levinthan, has a length of 907 feet, is submerged. These figures help the insure a really satisfactory "limited" of 54,282 gross tons, and has attained lay mind to get some understandable service from New York to Montauk idea of the tremendous bulk of these Point and vice versa, the building of ocean-going monsters. weight or displacement of each of up to ninety feet, the erection of suitthese vessels will be not less than able piers, storehouses, &c., would 60,000 tons. The latest of our super- entail expenditures running dreadnoughts, the Massachusetts and many millions of dollars. craft-will have trial displacements of the better to picture the enormou ping Board contemplates taking two that are opposed to the Fort Pond more craft of this character in hand Bay proposition shortly after the keels for the first two are laid. Indeed, it is not unlikely Port and the city's wide awake Com-

minals on the eastern and western sea-

Coincidently with the announcement

of the United States Shipping Board's company has undertaken the construcsteamship for the New York run the in docking and clearing ships of such size. We have been told that they could not safely thread their way in and out the North Pierra. and out the North River channel except at very favorable stages of the fussy about saving a couple of hours thick weather would inevitably pre- reverse are the sort that will probably vent any movement at all within the find it more to their liking to cross the port's limits. Finally, to avoid these ocean by airship. It would be cheaper much advertised handicaps, and also to let them pay for that convenience to save some time, it has been argued than to obligate millions of dollars at that the logical thing would be to cre- the present time in the equipping of ate, by building an extensive break- an artificial harbor at the distant tip water, a great steamship terminal at of Long Island. Ships of a thousand Fort Pond Bay at the eastern tip of feet in length are not missits here. We Long Island-a distance of 120 miles can take care of them, and the travelrom the metropolis.

The dead a breakwater reaching out into depths are the objections advanced by those

Murray Hulbert, the Director of the have repeatedly demonstrated how safely and speedily their big charges harbor and brought to their docks with than and lesser passenger craft in the hands of our naval men have exof the United States Shipping Board's plans for the establishment of the American-European service, there is revived the Montauk Point terminal project—an enterprise that has been urged and intermittently discussed at intervals during the past twenty years Each time that a foreign steamship company has undertaken the construction of a newer and bigger express ample size to accommodate the giant liners. As a matter of fact, the In-

rom the metropolis ling public will be better and more Quite apart from the outlay that comfortably served by arriving and navigational bridges will, therefore, be would be necessary on the part of the departing virtually from the heart of in the neighborhood of quite 75 feet Pennsylvania Railroad in double track- Manhattan."

